

*Sub A1*

WHAT IS CLAIMED IS:

1. A structure for magnetizing a rotor magnet of a motor, comprising :  
a rotor having a magnet cylinder with a wavy curve surface; and  
a stator having a plurality of silicon steel sheets wound by a plurality  
of winding coils.
2. A structure of Claim 1, wherein said wavy curve surface of the  
magnet cylinder is one of an inner wavy curve surface and an outer  
wavy curve surface.
3. A structure of Claim 2, wherein said wavy curve surface of said  
magnet cylinder includes a plurality of curve surfaces having different  
arc centers.
4. A structure of Claim 1, wherein said plurality of silicon steel sheets is  
symmetrical.
5. A structure for magnetizing a stator magnet of a motor, comprising :  
a stator having a magnet cylinder with a wavy curve surface; and  
a rotor having a plurality of silicon steel sheets wound by a plurality of  
winding coils.
6. A structure of Claim 5, wherein said wavy curve surface of said  
magnet cylinder is one of an inner wavy curve surface and an outer  
wavy curve surface.
7. A structure of Claim 6, wherein said wavy curve surface of said  
magnet cylinder includes a plurality of curve surfaces having different  
arc centers.
8. A structure of Claim 5, wherein said plurality of silicon steel sheets is  
symmetrical.
9. A structure for magnetizing a rotor magnet, comprising : a rotor  
having a magnet cylinder with a lumpy edge; and

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a stator having a plurality of silicon steel sheets wound by a plurality of winding coils.

10. A structure of Claim 9, wherein the structure of said lumpy edge is a combination of a plurality of concave surfaces and a plurality of convex surfaces.

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11. A structure for magnetizing a stator magnet, which includes a stator having a magnet cylinder with a lumpy edge and a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils.

12. A structure of Claim 11, wherein the structure of said lumpy edge is a combination of a plurality of concave surfaces and a plurality of convex surfaces.

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